

Project: FIRE SAFE TEST FOR VALVES

Certificate No.: 122/12 - 9587

Client: J.C FABRICA DE VALVULAS, S.A.

Office: Sant Joan Despi (BCN)

Client's Order No.: ---

Date: 03.02.12

Inspection dates

First: 03.02.12

Order Status: Complete

Final: 03.02.12

This certificate is issued to

Messrs. **J.C FABRICA DE VALVULAS, S.A.**, upon their request that the undersigned Suveryor to this Society did attend their premises at their works in Sant Boi de Llobregat - Barcelona (Spain) for the purpose of witnessing the FIRE SAFE TEST in accordance with the requirements specified in ISO 10497:2010, on the following type of valve:

A manually operate Ball Valve of 3" bore 3", as per fig. 6050 1500#
Body and Body connector material A105N
Trim: SEE DRAWING 7496

Marks:

- BODY : Col. T110809
- BODY CONNECTOR : Col. T110809

The test conducted on the valve previously subject to hydraulic pressure was as follows:

The valve in the closed position, filled with water under test pressure, was put in a box and exposed to flames with an environmental temperature in the region 750° C for a period of 30 minutes and established the leakage trough the seat and external to atmosphere during this period. The temperature was checked and recorded every two minutes, while leakages were determined using containers collecting the water leaked during burn period. Afterwards cool-down to 100° C. The valve seat and external hydrostatically tested to the appropriate test pressure and leakages recorded accordingly. Subsequently manually opened up under test pressure differential and finally the valve was fully hydrottested and leakages recorded.

All the following values were determined and recorded together with temperatures, times and pressures as shown on manufacturers Fire Safe Test Report nº C122/12

SGS Tecnos, S.A.

1. Through-valve leakage during burn period - SATISFACTORY.
2. External leakage during burn and cool-down period - SATISFACTORY.
3. Through-valve leakage during operational test - SATISFACTORY.
4. External leakage during operational test - SATISFACTORY.
5. Operability to full open position and external leakage - SATISFACTORY.

The valve was subject to a visual examination with satisfactory results and subsequently dismantled in order to verify that valves components comply with the drawing and parts list supplied by the manufacturer, while seat rings were found completely destroyed.

The manufacturers Fire Safe Test Report nº C122/12 and drawing 7496 herewith attached were satisfactory checked and signed.

The above is considered in accordance with the mentioned specifications requirements, therefore the subject valve has satisfactory passed the prescribed fire test and can be also qualified as follows.

<u>DN</u>	<u>CLASS RATING</u>	<u>PN RATING</u>
3", 4", 5", 6"	1500#, 2500#	260, 420

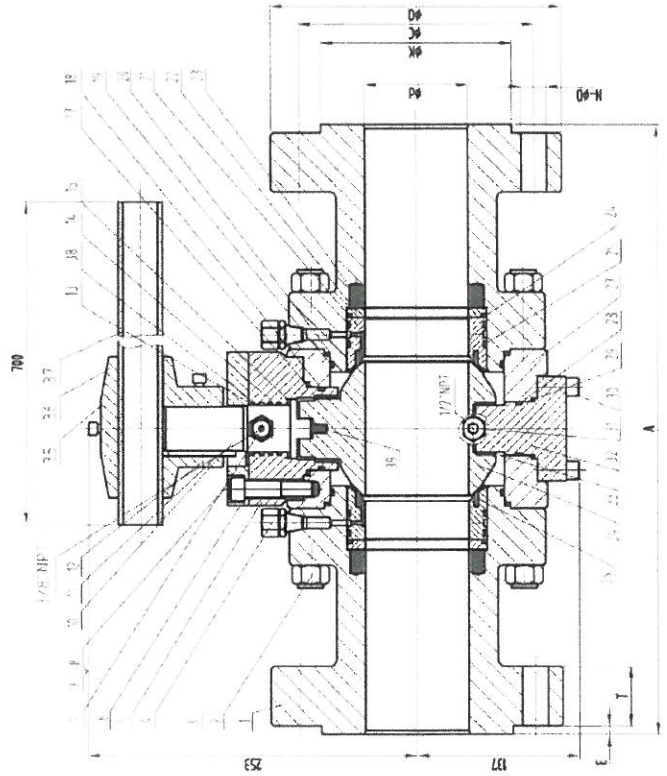
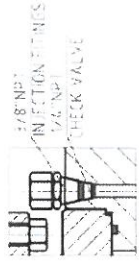
The logo for SGS Technos, S.A. is a blue rectangular stamp with the company name inside. Below the stamp is a handwritten signature in black ink.

Surveyor Iñigo Labrador

DOCUMENTS ATTACHED:
Sheets reviewed and stamped
Accordingly.

(*) RECOMMENDED SPARE PARTS

POS	QTY	DEFINITION	MATERIAL	DRAWING N°
29	1	MAIN STATIC DEVICE	SS	
30	1	BEARING	52	
31	1	HAIRD	AS7M 1020	
32	1	WELCH	AS7M 1020	
33	1	POSITION INDICATOR	ALUMINUM	
34	1	HA	AS7M A103 + ENP	
35	1	BEARING	52	
36	1	SHAFT	AS7M A103 + ENP	
37	1	ROFF VALVE	AS7M A103 + ENP	
38	1	ROFF VALVE	AS7M A103 + ENP	
39	1	ROFF VALVE	AS7M A103 + ENP	
40	1	ROFF VALVE	AS7M A103 + ENP	
41	1	ROFF VALVE	AS7M A103 + ENP	
42	1	ROFF VALVE	AS7M A103 + ENP	
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74	1	ROFF VALVE	AS7M A103 + ENP	
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96	1	ROFF VALVE	AS7M A103 + ENP	
97	1	ROFF VALVE	AS7M A103 + ENP	
98	1	ROFF VALVE	AS7M A103 + ENP	
99	1	ROFF VALVE	AS7M A103 + ENP	
100	1	ROFF VALVE	AS7M A103 + ENP	



NPS-LB	A	d	K	C	O	T	N-ØD	E	Weight(kg)	Thickness(mm)
3"-1500LB	4.75	27	177	2632	290	417	1.642	3	95	45

REFERENCE STANDARD	
MEG. STD.	ASME B31.3
FLANGE DETAIL	ASME B16.5
INSP. & TEST.	ASME B31.3

TEST PRESSURE Kg/Cm ² (g)	
HYDROSTATIC	AIR
SEAT & BACKSEAT	SEAT
740	1

7496

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JC Valves
 Fabrica de valvules, s.l.
 Tel: +34 938 54 88 81 Fax: +34 938 54 88 95
 e-mail: tecnico@jc-valves.com

Drawn: 07/10/2011
 Checked: 07/10/2011
 Appr. Eng.:
 Scale:
 Substitutes:
 Substitutes by:

Date: 03.02.12
 Nam: JM
 Approv.:

Ref:
 Drawing n°: 7496

GENERAL ASSEMBLY DRAWING
 FIG.6050 A.I.N. DN-3" CLASS-1500 FB RF
 WRENCH

Project: FIRE SAFE TEST FOR VALVES

Certificate No.: 229/12 - 9587

Client: J.C FABRICA DE VALVULAS, S.A.

Office: Sant Joan Despí (BCN)

Client's Order No.: ---

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A manually operate Ball Valve of 2" bore 2", as per fig. 6050 1500#
Body and Body connector material ASTM A105N
Trim: SEE DRAWING 7497

Marks:

- BODY : Col. T110809
- BODY CONNECTOR : Col. T110809

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The manufacturers Fire Safe Test Report nº C229/12 and drawing 7495 herewith attached were satisfactory checked and signed.

The above is considered in accordance with the mentioned specifications requirements, therefore the subject valve has satisfactory passed the prescribed fire test and can be also qualified as follows.

<u>DN</u>	<u>CLASS RATING</u>	<u>PN RATING</u>
2" and below 2 ½", 3", 4"	1500#, 2500#	260, 420



Surveyor Iñigo Labrador

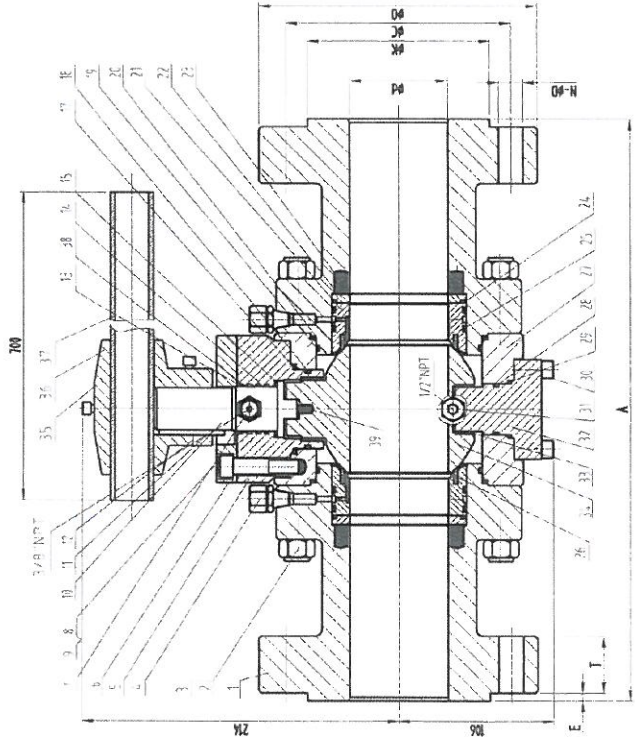
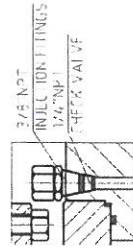
DOCUMENTS ATTACHED:
Sheets reviewed and stamped
Accordingly.

(*) RECOMMENDED SPARE PARTS

NPS-LB	A	d	K	C	O	T	N-ØD	E	Weight(kg)	Thickness(mm)
2"-1500LB	36.2	3.7	32.2	55.1	71.5	38.1	8.025	7	55	33.5

REFERENCE STANDARD	
NEG STD.	API 5D
FACE TO FACE	ASME B16.10
FLANGE DETAIL	ASME B16.5
INSP. & TEST.	API 5D

TEST PRESSURE Kg/cm ² (g)	
HYDROSTATIC	AR
BODY SEAT & BACKSEAT	SEAT
	3



7495

POS.	QUAN.	DENOMINATION	MATERIAL
1	1	FRU USE	
2	1	REPAIR KIT	
3	1	KEY	24
4	1	SPRING	ASTM A309 - FRP
5	1	SPRING	ASTM A309 - FRP
6	1	SPRING	ASTM A309 - FRP
7	1	PACKING VALVE	ASTM A309 - FRP
8	1	PACKING VALVE	ASTM A309 - FRP
9	1	PACKING VALVE	ASTM A309 - FRP
10	1	PACKING VALVE	ASTM A309 - FRP
11	1	PACKING VALVE	ASTM A309 - FRP
12	1	PACKING VALVE	ASTM A309 - FRP
13	1	PACKING VALVE	ASTM A309 - FRP
14	1	PACKING VALVE	ASTM A309 - FRP
15	1	PACKING VALVE	ASTM A309 - FRP
16	1	PACKING VALVE	ASTM A309 - FRP
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25	1	PACKING VALVE	ASTM A309 - FRP
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27	1	PACKING VALVE	ASTM A309 - FRP
28	1	PACKING VALVE	ASTM A309 - FRP
29	1	PACKING VALVE	ASTM A309 - FRP
30	1	PACKING VALVE	ASTM A309 - FRP
31	1	PACKING VALVE	ASTM A309 - FRP
32	1	PACKING VALVE	ASTM A309 - FRP
33	1	PACKING VALVE	ASTM A309 - FRP
34	1	PACKING VALVE	ASTM A309 - FRP
35	1	PACKING VALVE	ASTM A309 - FRP

JC Valves
 Fibra de carbono
 Tel: 938 29 24 / Fax: 93 829 86 25
 e-mail: jctecnos@jc-valves.com

GENERAL ASSEMBLY DRAWING
 FIG.6050 A.I.N. DN:2" CLASS:1500 FB RF
 WRENCH

Scale: ---
 Substitutes by: ---
 Drawing n°: 7495